

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Status of Claims:

No claims are currently being cancelled.

Claims 1-7, 10, 11, 17-19, 21, 22, 25 and 26 are currently being amended. Please note that the amendments to claims 1-7, 10, 11, 21 and 22 are only to change those claims from means-plus-function claims to non-means claims, without otherwise affecting the scope of those claims.

Claims 27-31 are currently being added.

This amendment and reply amends and adds claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending and adding the claims as set forth above, claims 1-7, 10-14, 17-19, and 21-31 are now pending in this application.

Indication of Allowable Subject Matter:

Applicant appreciates the indication of allowable subject matter made in the Office Action with respect to claims 22, 24 and 26.

Claim Rejections – Prior Art:

In the Office Action, claims 1-7, 10-14, 21 and 23 were rejected under 35 U.S.C. § 102(b) as being anticipated by JP 09-205390 to Ozaki; and claims 17-19 and 25 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Ozaki in view of U.S. Patent No. 5,852,630 to Langberg et al. These rejections are traversed for at least the reasons given below.

In the invention according to independent claims 1, 12 and 17, a correlation value between signals of a plurality of data streams received at a respective plurality of antennas is

estimated and displayed to a user, so that the correlation value can be manually adjusted by the user.

Contrary to the invention according to claims 1, 12 and 17, Ozaki relates to a space diversity antenna installation system in which a correlation value between antenna reception signals is calculated. Ozaki fails to disclose or suggest displaying a correlation value to a user, so as to enable the user to manually adjust the correlation value in an adaptive array radio communication apparatus.

Accordingly, independent claims 1, 12 and 17 patentably distinguish over Ozaki.

New Claims:

New claims 27-31 have been added, whereby these new claims respectively correspond to original claims 8, 9, 15, 16 and 20 (but whereby the apparatus claims are now written as non-means-plus-function claims), which were inadvertently canceled in the previously filed response. Please note the arguments provided on page 12 of the previously-filed response, which were directed to these inadvertently-canceled claims, whereby those arguments are repeated below, and thus are applicable to new claims 27-31.

The new claims are directed to an estimated correlation value that is automatically adjusted such that the estimated correlation value becomes smaller. With respect to the rejection of claims 8, 15 and 20 (which respectively correspond to new independent claims 27, 29 and 31), the previous Office Action relies in part on Kohno. However, Kohno mainly relates to a transmission apparatus, whereby Kohno fails to disclose or suggest an antenna correlation adjustment means that reduces a correlation value of received signals in a radio communication apparatus which performs adaptive array reception with a plurality of antenna.

Accordingly, since neither Ozaki nor Langberg et al. rectifies these shortcomings of Kohno, new independent claims 27, 29 and 31 (as well as dependent claims 28 and 30) are patentable over the combined teachings of those two references.

Conclusion:

Since all of the issues raised in the Office Action have been addressed in this Amendment and Reply, Applicant believes that the present application is now in condition for allowance, and an early indication of allowance is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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